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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,107	03/30/2004	James Earl Barnett		2880

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106 W. South Street
Pinckneyville, IL 62274

08/10/2007

EXAMINER

LANGDON, EVAN H

ART UNIT	PAPER NUMBER
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3654

MAIL DATE	DELIVERY MODE
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08/10/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/812,107

Applicant(s)

BARNETT, JAMES EARL

Examiner

Evan H. Langdon

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 6-8, 10 and 12-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-8, 10, 12-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 3/30/2004.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Invention I, Species A in the reply filed on 16 July 2007 is acknowledged.

Claim Objections

Claim 4 is objected to because of the following informalities:

Claim 4 fails to end in a period (.).

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 4, 8 10 and 12-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In regards to claims 4, 8 and 10, it is unclear if the "centering member" or the "high point anchoring member" are the "means for establishing a high center point" of claim 3 or if they are additional structure? In addition, it is unclear if the "dual use member," the "vertical direction transition member," the "centering member," or the "high point anchoring member" are the "means for providing minimal peripheral interferences" of claim 3 or if they are additional structure?

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The term "very strong" in claims 12 and 14 is a relative term which renders the claim indefinite. The term "very" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

The term "limitation of the number" in claims 12 and 13 is a relative term which renders the claim indefinite. The term "limitation of the number" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

In further regards to claim 13, it is unclear what is meant by "strategic placement?"

In further regards to claim 13, it is unclear what is meant by "in such a manner so as to increase structural integrity?"

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Koscinski, Jr. (US 5,445,487).

Koscinski discloses an apparatus that universally attaches to flanges which facilitates the transition of the location of a load (see Figure 1).

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In regards to claim 2, Koscinski discloses component part that can be configured in a manner which may be employed in either horizontal or vertical applications (see Figure 6).

In regards to claim 3, Koscinski discloses a means 54 for establishing a high center point; a means providing minimal peripheral interference 14, 22, 26, 24, 54; a means for limiting weight; means for facilitating ease of transport (see Figures 1-3); and means 14, 12, 24 for bearing heavy loads.

In regards to claim 4, Koscinski discloses An apparatus which vertically transitions the location of a load in horizontal applications as recited in claim 3, comprising: (a) base 14; a dual use member 22 connected to the base; a vertical direction transition member 26 connected to the dual use member; a centering member 24 connected to the vertical direction transition member 26; a high point anchoring member (Fig. 3) connected to the centering member; a pulley 54 connected to the high point anchoring member; a winch 52 connected to the dual use member; a cable 58 connected to the winch which passes through the pulley attached to the high point anchoring member.

In regards to claim 8, Koscinski discloses the means for establishing a high center point in horizontal applications includes: a base 14 which includes a mounting pedestal 68 having drilled and threaded holes 72 into which a locking screw may be threaded; a dual use member 22 connected to the mounting pedestal which includes a drilled hole into which the locking screw may be inserted locking the dual use member to the mounting pedestal; a vertical direction transition member 26 connected to the dual use member, the vertical direction transition member which includes a drilled and threaded hole 30 into which a locking screw can be aligned with a drilled hole in the dual use member thereby locking the vertical direction transition member to

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the dual use member, and which includes a drilled hole through which a locking pin 34 may pass; a horizontal application centering member 24 connected to the vertical direction transition member 26 and having spaced drilled holes through which the locking pin 28 may pass; a high point anchoring member (Fig. 3) connected to the centering member having a drilled and threaded hole through which a locking screw may pass (Fig. 3); the horizontal application centering member 24 having a drilled hole situated in such manner so as to align with the locking screw which passes through the drilled and threaded hole in the high point anchoring member (Fig. 6).

In regards to claim 10, Koscinski discloses means for providing minimal peripheral interference in horizontal applications, includes base 14; a dual use member 22 connected to the base; a vertical direction transition member 26 connected to the dual use member; a centering member 24 connected into the vertical direction transition member; and a high point anchoring member connected to the centering member (Fig. 3).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6, and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Koscinski.

Koscinski discloses means for attaching flanges to facilitate transition of a load including a base 68, the base 68 including extending members 70 which included drilled holes 72 and bolts.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the bolts of Koscinski to include tapered heads and tapered nuts because the substitution of a known element for another would have yielded predictable results to one of ordinary skill in the art at the time of the invention.

With respect to claims 12 and 13, Koscinski does not disclose specific means for limiting weight. However, one of ordinary skill in the art is expected to routinely experiment with the parameters, especially when the specifics are not disclosed, so as to ascertain the optimum or workable ranges for a particular use. Accordingly, it would have been obvious through routine experimentation and optimization, for one of ordinary skill in the art to manufacture the apparatus out of lightweight but strong material with the least number of parts with strategic placement.

In regards to claim 14, Koscinski teaches means for bearing heavy loads in horizontal applications includes: connecting of a vertical support cable 58 between the base 68 and the vertical direction transition member 26; the affixing of a horizontal support cable between the vertical directional transition member and the high point anchoring member; a hinged variable cam (Fig. 6) mounted to the vertical directional transition member through which the horizontal support cable passes; a locking mechanism 34 connected to the vertical directional transition member which locks the hinged variable cam into place when the apparatus is deployed in horizontal applications, a winch 52 anchoring mount which includes a drilled and threaded hole

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into which a locking screw can be threaded as well as drilled and threaded holes used to connect a winch connected to the vertical support member which includes a drilled hole into which the locking screw may pass; a winch connected to the winch anchoring mount which includes a cable; the cable which passes through a pulley connected to the high point anchoring member (see Figures 1 and 6).

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Koscinski in view of Vetesnik (US 6,554,254).

Vetesnik teaches means for attaching flanges to facilitate transition of a load including a base 10 having extending members 14, 15, 22, 23 having slotted grooves 22B, 23B, centering holes 16 and the base includes cavities 22B through which the extending members may pass, and holes 25 through which the extending members locking bolts 24 may be screwed, guide bolts 13A, and mounting bolts 16.

Conclusion

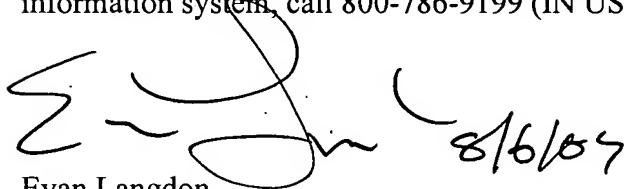
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Evan H. Langdon whose telephone number is (571)272-6948. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Cuomo can be reached on (571) 272-6856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'Evan Langdon', followed by a date '8/6/07'.

Evan Langdon
Patent Examiner.